

Accordingly to still another aspect of the invention there is provided a method for manufacture of tiles for seamless paving structures, said method comprising the steps of:-

5 securing to respective opposite surfaces of said stone elements
a backing layer or base having a mounting surface substantially parallel to
said support surface.

Suitably said mounting surface is positioned at a predetermined distance from said support surface to form a tile of predetermined thickness.

10 If required said backing layer or base may comprise an
apertured sheet-like material.

Suitably said backing layer or base is comprised of a flexible material.

Preferably said backing layer or base comprises a mesh-like material.

15 Suitably said stone elements are secured to a substrate or
predetermined shape and/or thickness.

If required said backing layer or base may comprise a pre-formed member securable to said stone elements by an adhesive.

20 Alternatively said backing layer or base may comprise a
flowable castable material adhesively secured to said stone elements.

If required said backing layer or base may be formed in a mould having an upright boundary wall.

The tile may be formed by placing a plurality of irregularly shaped stone elements onto the surface of a flowable castable material

comprises a flexible material to which said stone elements are secured.

8. A tile as claimed in claim 1 wherein said backing layer or base comprises a cementitious composition with or without a polymeric bonding agent.

5 9. A tile as claimed in claim 1 wherein said backing layer or base comprises a polymeric composition.

10. A tile as claimed in claim 1 wherein said backing layer or base comprises reinforcing material.

10 11. A tile as claimed in claim 1 wherein said backing layer or base comprises an apertured sheet like material.

12. A tile as claimed in claim 1 wherein said backing layer or base comprises a plastics mesh.

15 13. A tile as claimed in claim 10 wherein the reinforcing material is selected from chopped fibres with or without enlarged ends, matting on a metal or plastics mesh.

14. A tile as claimed in claim 1 wherein said tile is formed whereby normally exposed surfaces of stone elements comprising said tile lie in a substantially common plane.

20 15. A tile as claimed in claim 1 wherein said tile is formed with a substantially constant thickness whereby normally exposed surfaces of stone elements of adjacent tile lie in a substantially common plane.

16. A method for manufacture of tiles for seamless paving structures said method comprising the steps of:

supporting on a substantially planar support surface, a plurality of

irregularly shaped stone elements with a normally exposed surface of said stone elements being in contact with said support surface; and,

securing to respective opposite surfaces of said stone elements a backing layer or base having a mounting surface substantially parallel to said support surface.

17. a method as claim in claim 16 wherein said mounting surface is positioned at a predetermined distance from said support surface to form a tile of predetermined thickness.

18. A method as claimed in claim 16 wherein said stone elements are secured to a substrate of predetermined shape and/or thickness.

19. A method as claimed in claim 18 wherein said stone elements are secured to said substrate by an adhesive.

20. A method as claimed in claim 16 wherein said backing layer or base is formed by a flowable castable material adhesively securable to said stone elements.

21. A method as claimed in claim 20 wherein said backing layer or base is formed in a mould having an upright boundary wall.

22. A method as claimed in claim 16 wherein said tile is formed by placing a plurality of irregularly shaped stone elements onto a surface of a flowable castable material supported on a substantially planar support surface within a predetermined boundary shape and compressing said stone elements into said castable material by a substantially planar compression member lying in a plane substantially parallel to said support surface.

23. A method as claimed in claim 16 wherein said irregularly stone

elements are on a substantially planar support surface within a predetermined boundary shape and thereafter a layer of a flowable castable material is applied over said stone elements to form a backing layer or base of predetermined thickness having a mounting surface substantially parallel to said support surface.

24. A method as claimed in claim 23 wherein said stone elements are located on a support surface within an upright boundary wall.

25. A method as claimed in claim 23 wherein a flowable displacement material is introduced into interstices between adjacent stone elements before formation of a backing layer or base thereover to form grout channels therebetween.

26. A method for installing tiles for seamless paving structures, said method including the steps of:

adhering said tiles to a planar surface in aligned abutment; and,

introducing a grouting composition into cavities between adjacent stone elements whereby said grouting composition in the region of a joint between adjacent tiles extends irregularly over each side of said joint to form a substantially optically seamless joint.

27. A method of installing tiles according to claim 26 wherein said tiles are laid on said surface with abutting base edges.

28. A method as claimed in claim 26 wherein said base edges are spaced and stone elements of differing sizes are inserted into the surface of grout therebetween to form an optically seamless joint.